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PATENT & TRADEMARK OFFICE

Title: Optical Fiber Communications Method And System...
Inventor(s): David WAKE et al.
Application No.: 10/821,590
Docket No.: 556592000600



FIG. 1

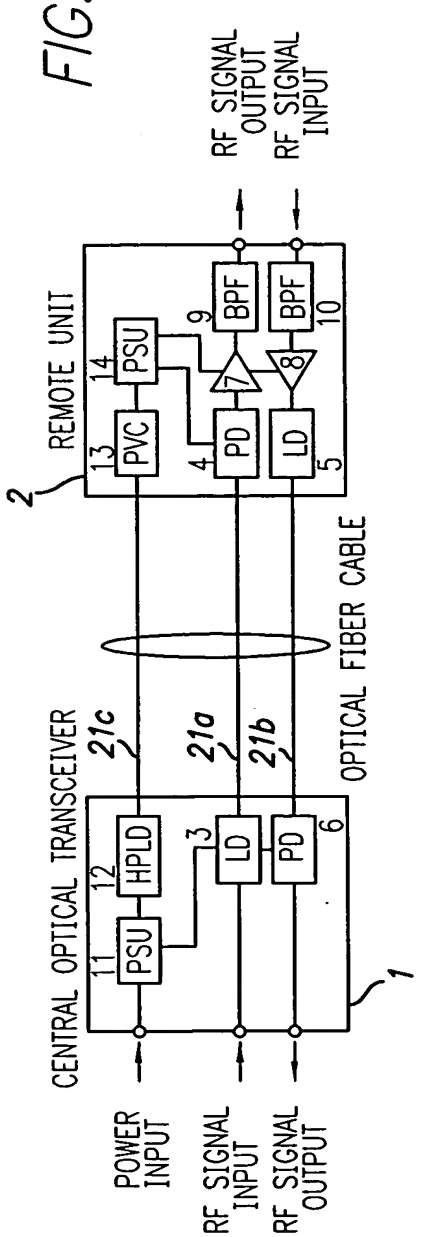



FIG. 2

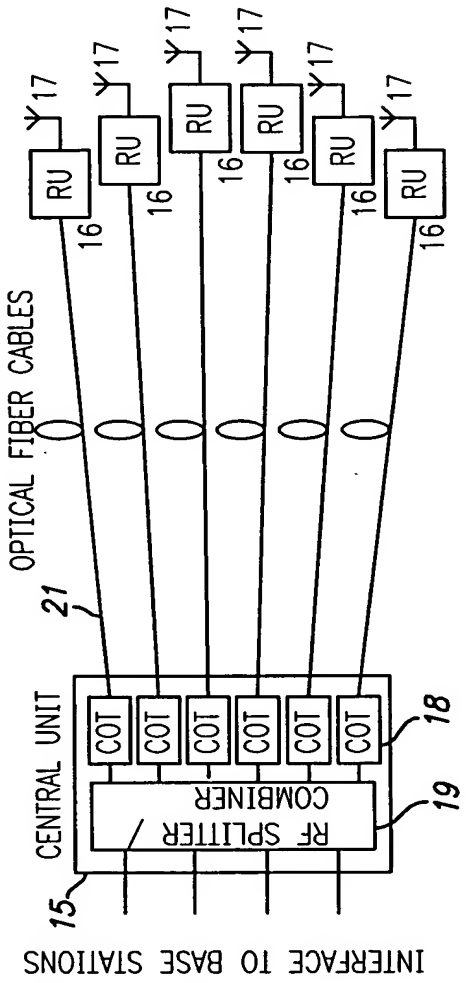


FIG. 3

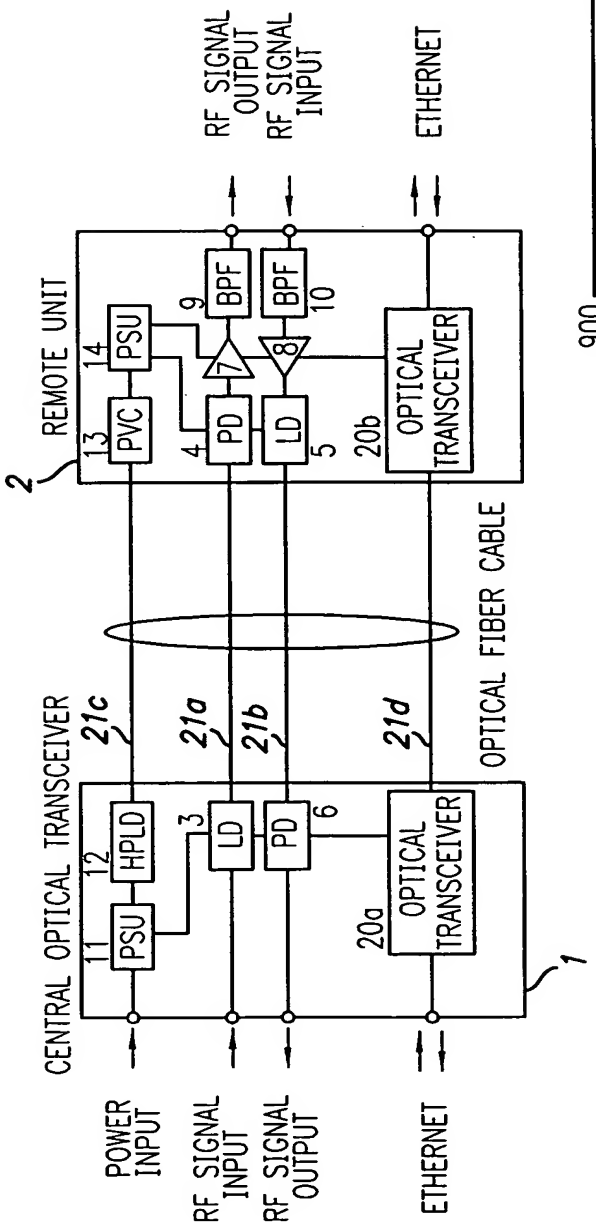
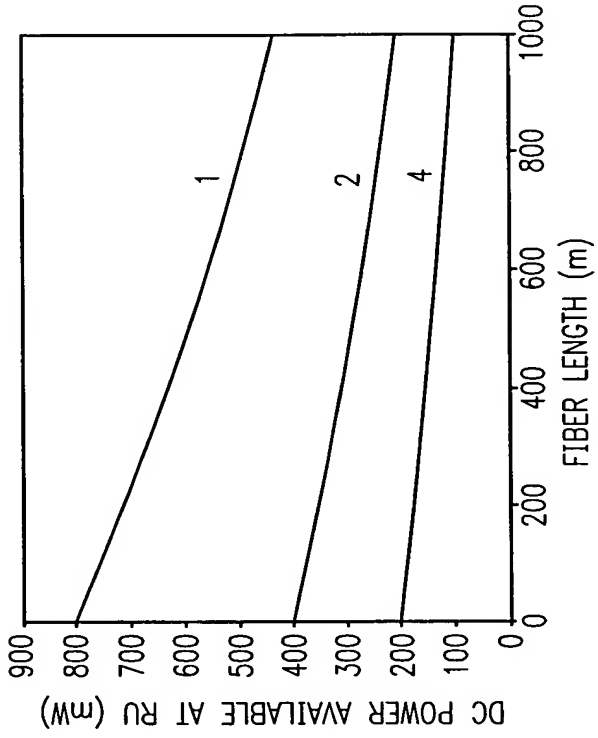

CENTRAL OPTICAL TRANSCEIVER
REMOTE UNIT
OPTICAL FIBER CABLE
POWER INPUT
RF SIGNAL INPUT
RF SIGNAL OUTPUT
ETHERNET
RF SIGNAL OUTPUT
RF SIGNAL INPUT
ETHERNET
PSU
HPLD
LD
PD
OPTICAL TRANSCEIVER
PVC
PSU
PD
LD
BPF
BPF
OPTICAL TRANSCEIVER
11
12
3
6
20a
21c
21a
21b
21d
1
2
13
14
4
5
7
8
9
10
20b

FIG. 4


DC POWER AVAILABLE AT RU (mW)
FIBER LENGTH (m)
0
100
200
300
400
500
600
700
800
900
0
200
400
600
800
1000
1
2
4